

ABSTRACT OF THE DISCLOSURE

Human saliva is used as a non-invasive source instead of invasive blood serum plasma for detection and assay of endogenously present proteins; nerve growth factor (NGF), myoglobin, Insulin, adenosine deaminase (ADA), including immunoglobulin E (IgE). It was discovered that people having high levels of IgE, show high levels in comparison to the normal controls of NGF, myoglobin, insulin and ADA, disrupting the homeostasis for these proteins. Oral administration of a synthetic peptide LT-10 disclosed in US patent 5,576,297 having sequence L K A M D P T P P L reduces IgE level in humans and bring other proteins into homeostasis, for example, NGF, myoglobin, insulin and ADA and possibly other proteins and cytokines. Composition of synthetic LT-10 is advocated as a treatment for IgE implicated disorders such as asthma, depression and various types of autoimmune diseases, such as erythematosus (SLE); Rheumatoid arthritis Sjogren's syndrome; Reiter's syndrome; Diabetes mellitus (insulin-dependent); Graves' disease; Addison's disease; Hodgkin's disease, etc.